

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: January 10, 1991
Date Submitted: January 7, 1991
Project: Metro Self Monitoring, PO# 18249

RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
Results Reported as mg/L (ppm)

<u>Sample #</u>	<u>M18249A</u>	<u>M18249B</u>
<u>Analyte:</u>		
Chromium	0.42	0.09
Copper	0.35 ^a	0.05 ^a
Nickel	0.24	0.23
Zinc	0.04 ^a	0.21 ^a

- a** - The analyte indicated was also found in the blank sample.
- b** - This sample contains substantial particulate contamination, which leads to high variability.
- c** - The contamination in the blank has been isolated and does not affect the samples.

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Quality Assurance

<u>Sample #</u>	<u>Blank</u>	M18249B ^b <u>Duplicate</u>
<u>Analyte:</u>		
Chromium	<0.01	0.80
Copper	0.31 ^c	0.01
Nickel	<0.01	0.87
Zinc	0.07	1.4

- ^a - The analyte indicated was also found in the blank sample.
- ^b - This sample contains substantial particulate contamination, which leads to high variability.
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**RESULTS OF ANALYSES OF THE WATER SAMPLES
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
Results Reported as % Recovery
Quality Assurance**

<u>Sample #</u>	M18249B	M18249B
	<u>Matrix Spike</u> Spiked @ 5 ppm % Recovery	<u>Matrix Spike Duplicate</u> Spiked @ 5 ppm % Recovery
<u>Analyte:</u>		
Chromium	52%	88%
Copper	57%	75%
Nickel	67%	113%
Zinc	47%	92%

- a** - The analyte indicated was also found in the blank sample.
- b** - The contamination in the blank has been isolated and does not affect the samples.
- c** - This sample contains substantial particulate contamination, which leads to high variability.

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

ALBERTA & BROTHERS, INC.
 3008-B 16th Avenue West
 Seattle, WA 98119

12
 Bin A

Phone # (206) 623-5801
 Contact: _____

Chain of Custody Record

PROJECT NAME: METRO SELF MONITORING
 PROJECT LOCATION: 3200 & 3600
 SITE NUMBER: _____

SAMPLED BY: _____ DATE: JANUARY 4, 1991

Sample Number	Date / Time Sampled	Type of Sample	# of Containers	Lab Sample #	Analyses Required	Comments
M18249 A	1/3/91	WATER	1	17098	CR, CU, NI, ZN	HUNDRETHS P.P.M.
M18249 B	1/3/91	WATER	1	17099	CR, CU, NI, ZN	HUNDRETHS P.P.M.

consumed in analysis

Relinquished by: (Signature) NAME: <u>LEONARD A. SPEER</u> FIRM: <u>ALASKAN COPPER</u>	Date: _____ Time: _____	Received by: (Signature) NAME: <u>Angela Liard</u> FIRM: _____	Date: <u>1-2-90</u> Time: <u>2:30 AM</u>
Relinquished by: (Signature) NAME: _____ FIRM: _____	Date: _____ Time: _____	Received by: (Signature) NAME: _____ FIRM: _____	Date: _____ Time: _____